Living Colors™ Full-Length A.v. Polyclonal Antibody

Highly specific antibody for immunoprecipitating GFP and variants

- **Excellent for immunoprecipitation experiments**
- **Recognizes all *Aequorea victoria* variants and fusions**

CLONTECH's new **Living Colors™ Full-Length A.v. Polyclonal Antibody** was specifically developed and tested for immunoprecipitating *Aequorea victoria* green fluorescent protein (GFP). This antibody detects all GFP variants including our enhanced green, cyan, yellow, and blue fluorescent proteins, destabilized variants, fusions to these proteins, and purified GFP.

Optimized for immunoprecipitation

We developed the A.v. Polyclonal Antibody against full-length GFP specifically for use in immunoprecipitation experiments. Because it recognizes multiple epitopes from the entire protein, this antibody can effectively precipitate all GFP variants and fusions to these variants.

To show the antibody's specificity, we performed the immunoprecipitation experiment shown in Figure 1. Lane 2 shows the immunoprecipitation of recombinant GFP added to NIH/3T3 cell lysate. In Lanes 6 and 8, we transiently transfected HeLa cells with a vector expressing EGFP. The Full-Length A.v. Polyclonal Antibody specifically precipitated EGFP from whole cell lysate of these cells.

A full line of Living Colors™ antibodies

The new Full-Length A.v. Polyclonal Antibody complements our line of antibodies for detecting Living Colors fluorescent proteins (Table I). These antibodies include the A.v. Monoclonal Antibody (JL-8) and the A.v. Peptide Antibody, which are ideal for western analysis. The peptide antibody is also available conjugated with horseradish peroxidase (HRP) or alkaline phosphatase (AP) for easy, one-step detection of any GFP variant. We also offer the D.s. Peptide Antibody for detecting our red fluorescent protein, DsRed, and fusions to DsRed.

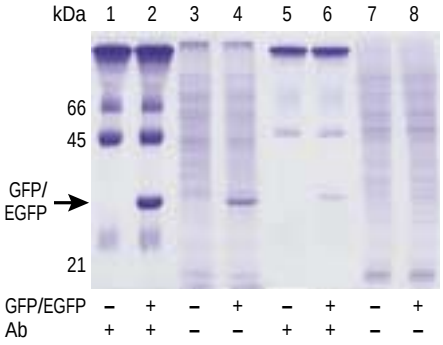

Figure 1. Immunoprecipitation using the Living Colors™ Full-Length A.v. Polyclonal Antibody. Coomassie blue-stained 10% SDS-polyacrylamide gel under nonreducing conditions. Lanes 1–4 show 0.4 ml NIH/3T3 cell lysate with 15 µg purified GFP added to lanes 2 and 4, and 3 µl antibody added as indicated. The band in lane 4 is due to the large amount of added recombinant GFP. Lanes 5–8 show whole cell lysate from HeLa cells transiently transfected with a vector expressing EGFP (Lanes 6 and 8) and with 3 µl antibody added as indicated. Additional major bands are heavy and light chain.

Product	Size	Cat. #
Living Colors Full-Length A.v. Polyclonal Antibody	20 µl 100 µl	8372-1 8372-2
Living Colors A.v. Monoclonal Antibody (JL-8)	20 µl 200 µl	8371-1 8371-2
Living Colors A.v. Peptide Antibody	1 ml 200 µl	8367-1 8367-2
Living Colors A.v. Peptide Antibody-AP Conjugate	100 µl	8368-1
Living Colors A.v. Peptide Antibody-HRP Conjugate	100 µl	8369-1
Living Colors D.s. Peptide Antibody	20 µl 100 µl	8370-1 8370-2

NEW!

Related Products

- **Recombinant GFP Protein** (#8360-2)
- **rEGFP Protein** (#8365-1)
- **rGFPuv Protein** (#8366-1)

Table I: Living Colors™ antibodies

Antibody	Recommended Applications	Antigen source	Specificity
Full-Length A.v. Polyclonal Antibody	IP	Rabbit polyclonal to full-length GFP	All A.v. variants
A.v. Peptide Antibody	Western	Three affinity purified peptide antibodies to GFP (from rabbit polyclonal antibody)	All A.v. variants
A.v. Monoclonal Antibody (JL-8)	Western & ELISA	Mouse monoclonal; IgG_{2a}	All A.v. variants
D.s. Peptide Antibody	Western	Affinity purified peptide antibody to DsRed (from rabbit polyclonal antibody). Does not detect A.v. protein variants.	DsRed